

Arkansas Department of Education

Computer Science

Enrollment Report for

School Year 2015-2016



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K-12 COMPUTER SCIENCE

A FRAMEWORK FOR DYNAMIC LEARNING

Computer Science Initiative

Student Enrollment for 2015-2016

- The data within this information was compiled using the Arkansas School District Cycle 2 Report submissions.
- Districts are required to submit student enrollment numbers, in addition to other data, for the Cycle 2 Report on or before October 15th of each year.
- The numbers contained within this information are enrollment numbers as of October 15th, these numbers are what school funding is based on, and, due to various factors, may change or differ from student completion numbers.



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Baseline Courses

The Arkansas Computer Science and Technology Taskforce (CSTF) recommended that the following courses be used as the baseline to measure computer science student enrollment numbers for the 2014-2015, 2015-2016, and 2016-2017 school years:

- Computer Science and Mathematics;
- Essentials of Computer Programming;
- Programming I and Programming II;
- Java I and Java II;

(continued on next page)



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Baseline Courses

(continued)

- Intro to Object Oriented Programming;
- Computer Science and Software Engineering;
- Computer Game Design and Development;
- Intro to Mobile Application Development;
- Mobile Application Development (MAD) I and MAD II;
- College Board Advanced Placement (AP) Computer Science A; and
- International Baccalaureate (IB) Computer Science (HL & SL)



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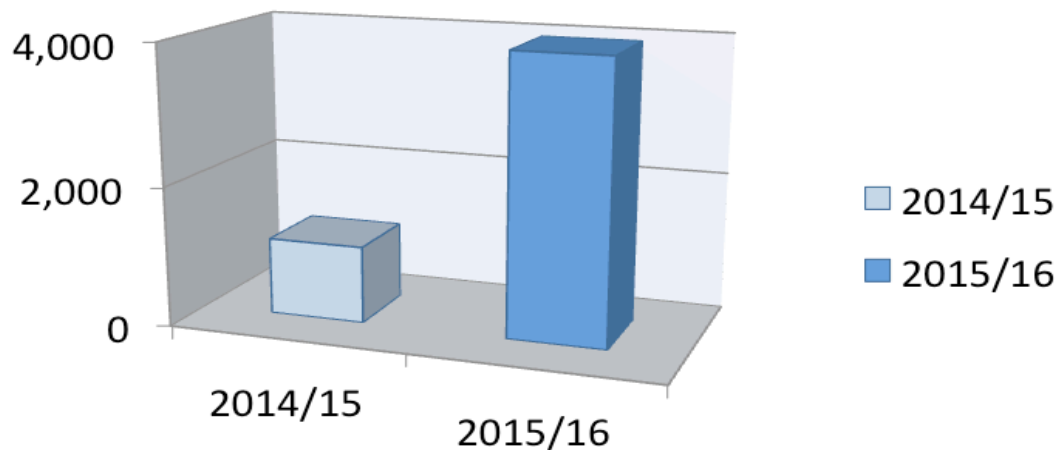
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Baseline Courses

Total Student Enrollment

- 2014/2015 – 1,104
- 2015/2016 – 3,973
- Increase of
 - 2,869 students
 - 260% increase



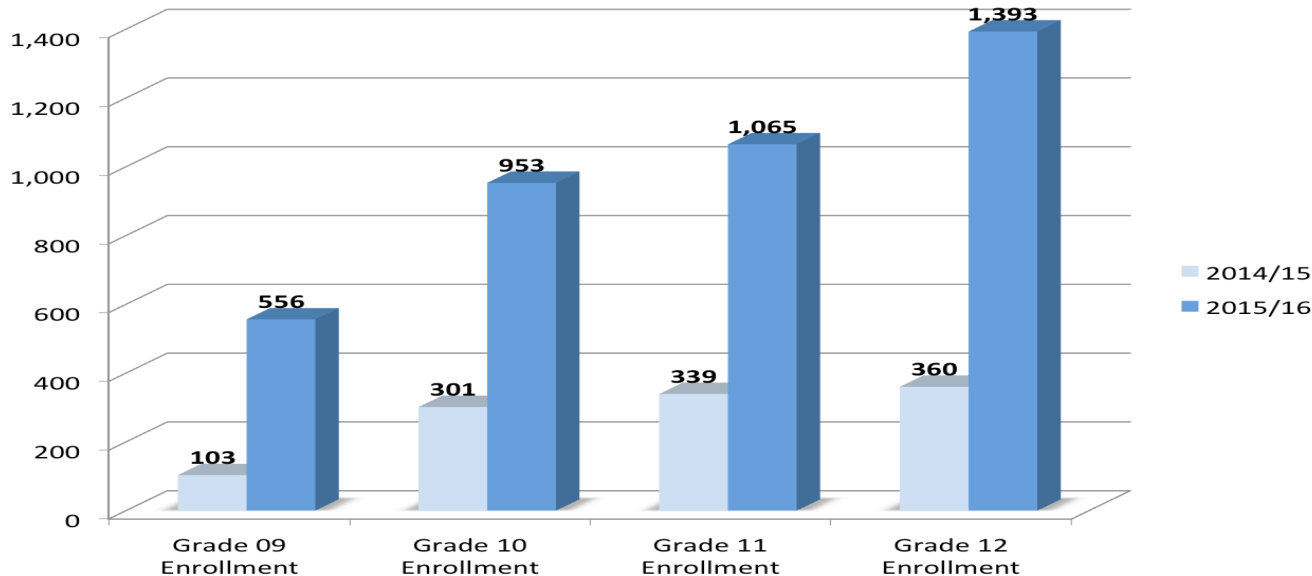
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Baseline Courses

Enrollment Numbers by Grade



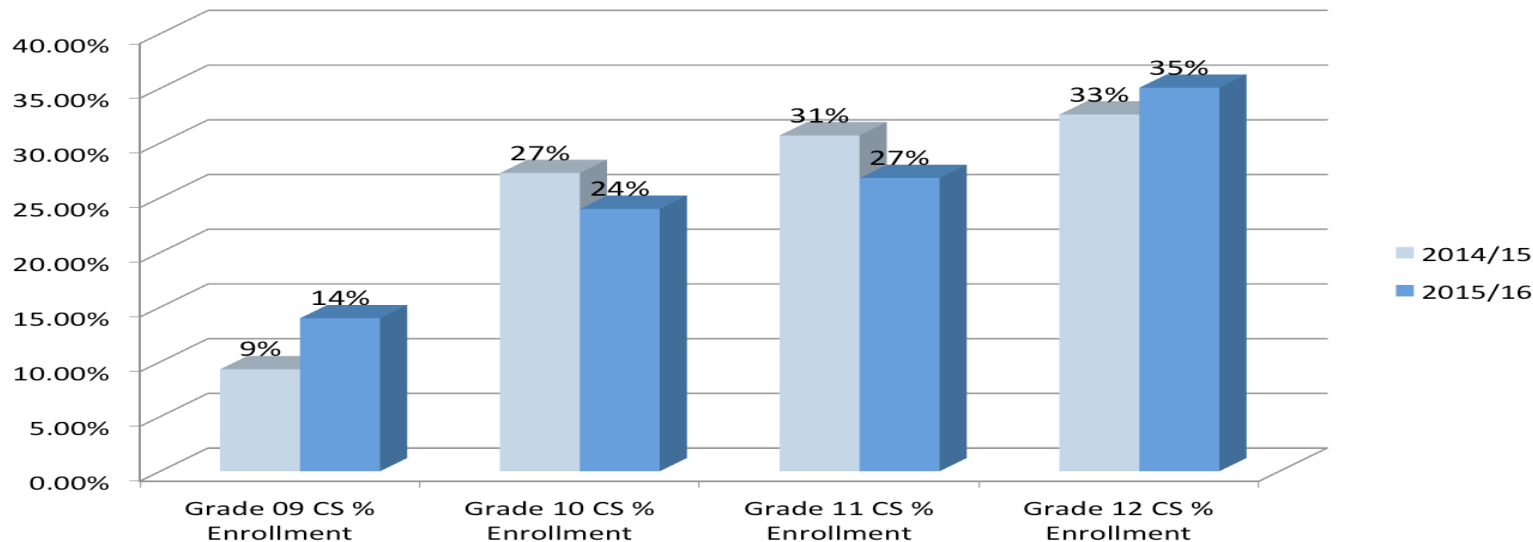
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Baseline Courses

Enrollment Percentage by Grade



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Baseline Courses

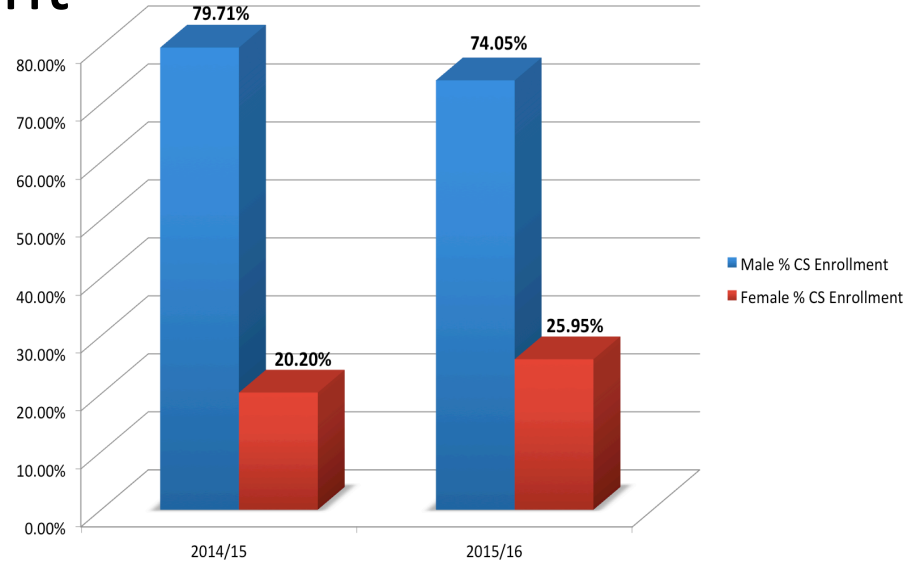
Male and Female Student Enrollment

2014/2015

- 880 (79%) Male
- 223 (20%) Female

2014/2015

- 2,942 (74%) Male
- 1,031 (26%) Female



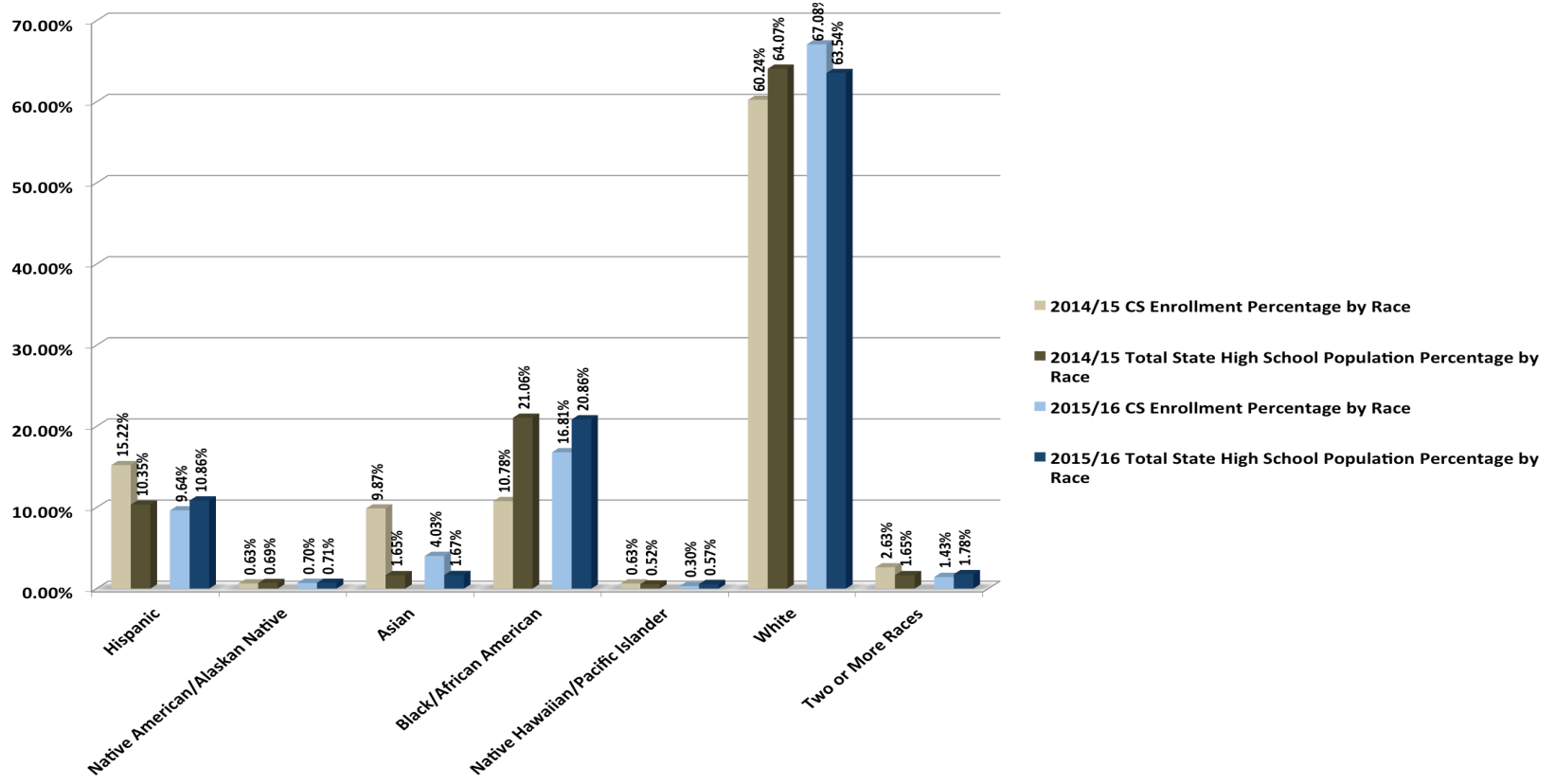
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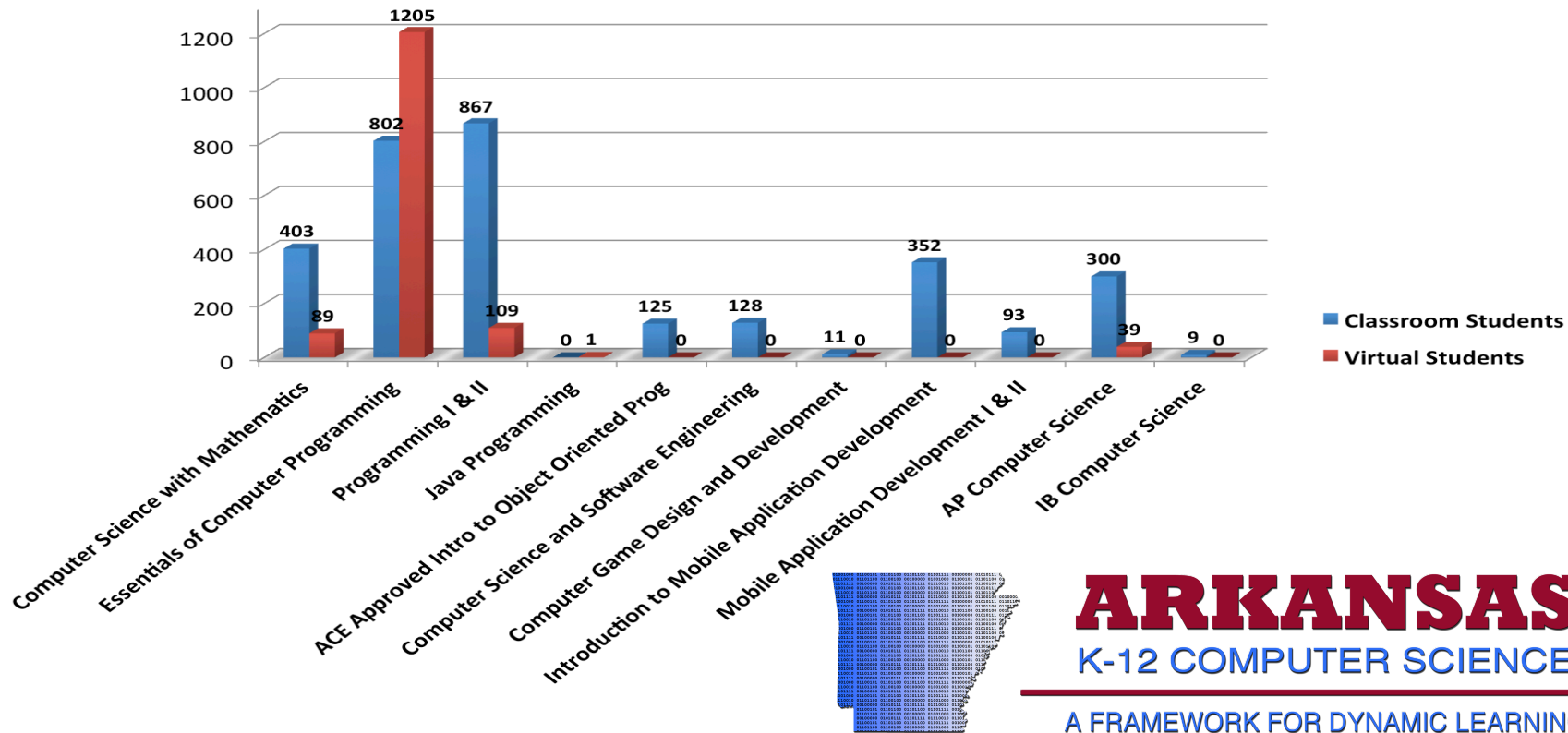
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Baseline Courses

Enrollment Percentage by Race



Baseline Course Classroom and Virtual Environment Enrollment for 2015/16



Act 187 Courses

- During the Spring of 2015, Act 187 was passed by the legislature and signed into law by Gov. Hutchinson.
- This act mandated that beginning in the 2015-2016 school year, that all public high schools and public charter high schools offer at least one computer science course at the high school level.



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Act 187 Courses

- In the Spring of 2015, the Arkansas State Board of Education approved a change to our state graduation requirements, which allows a student to replace a 4th year math requirement and/or a 3rd year science requirement with a CS “flex” credit.
- The rule change is effective beginning with the 2015-2016 school year.



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Act 187 Courses

The following courses were approved by the Arkansas Department of Education (ADE) as meeting the requirements of Act 187 for the 2014-2015 school year:

- ADE Essentials of Computer Programming
- ADE Computer Science and Mathematics
- AP Computer Science A
- IB Computer Science (SL & HL)

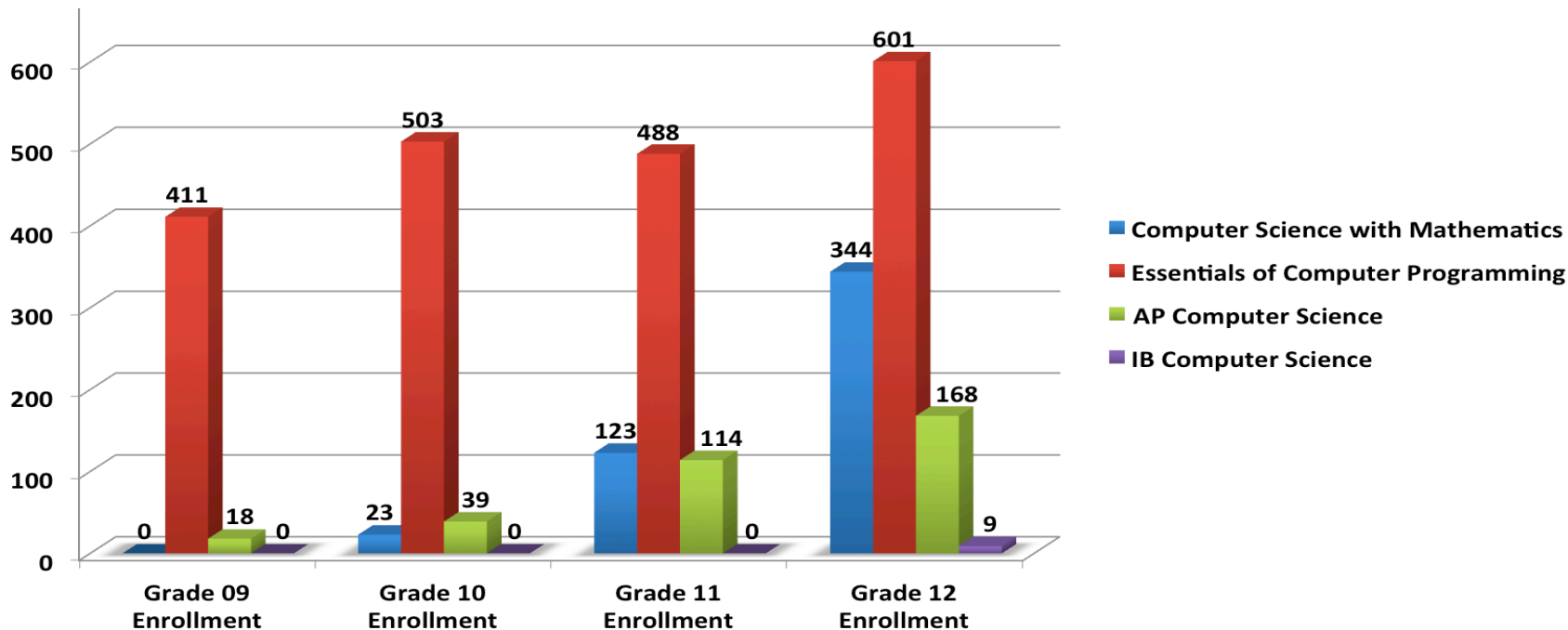


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Act 187 Courses 2015/16 Student Enrollment

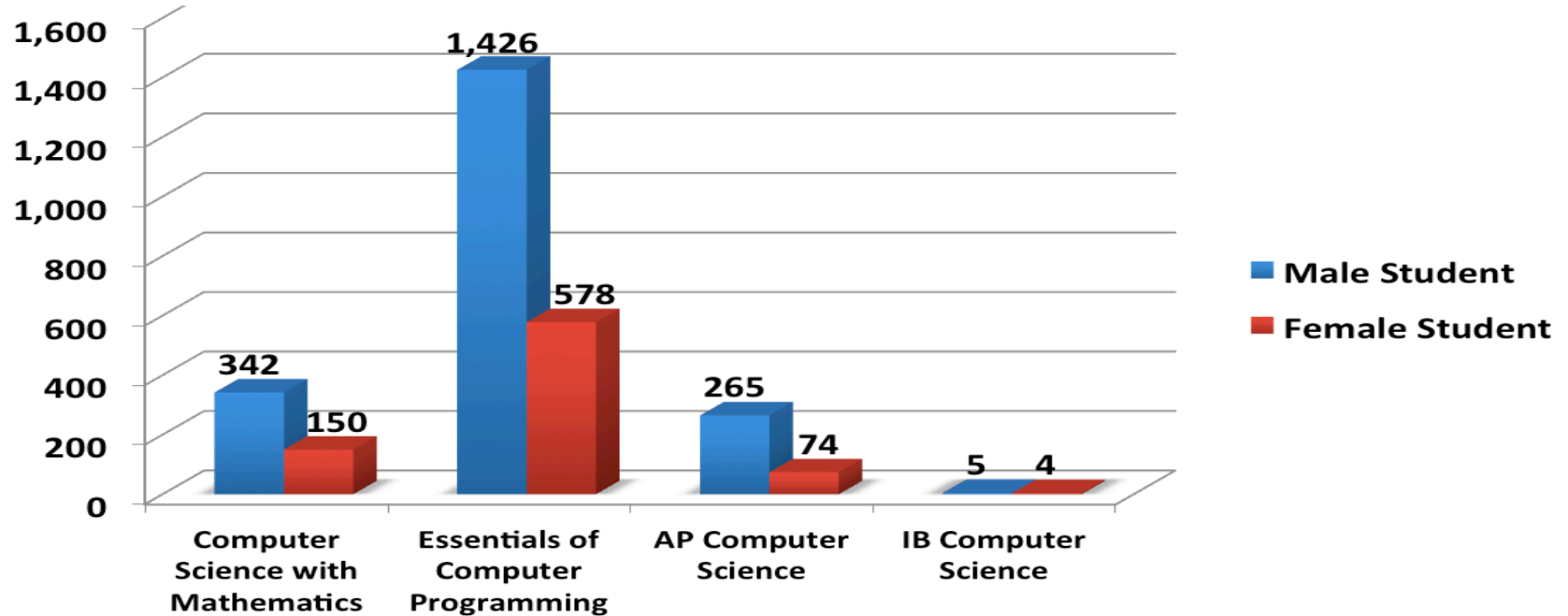


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Act 187 Courses - Student Enrollment



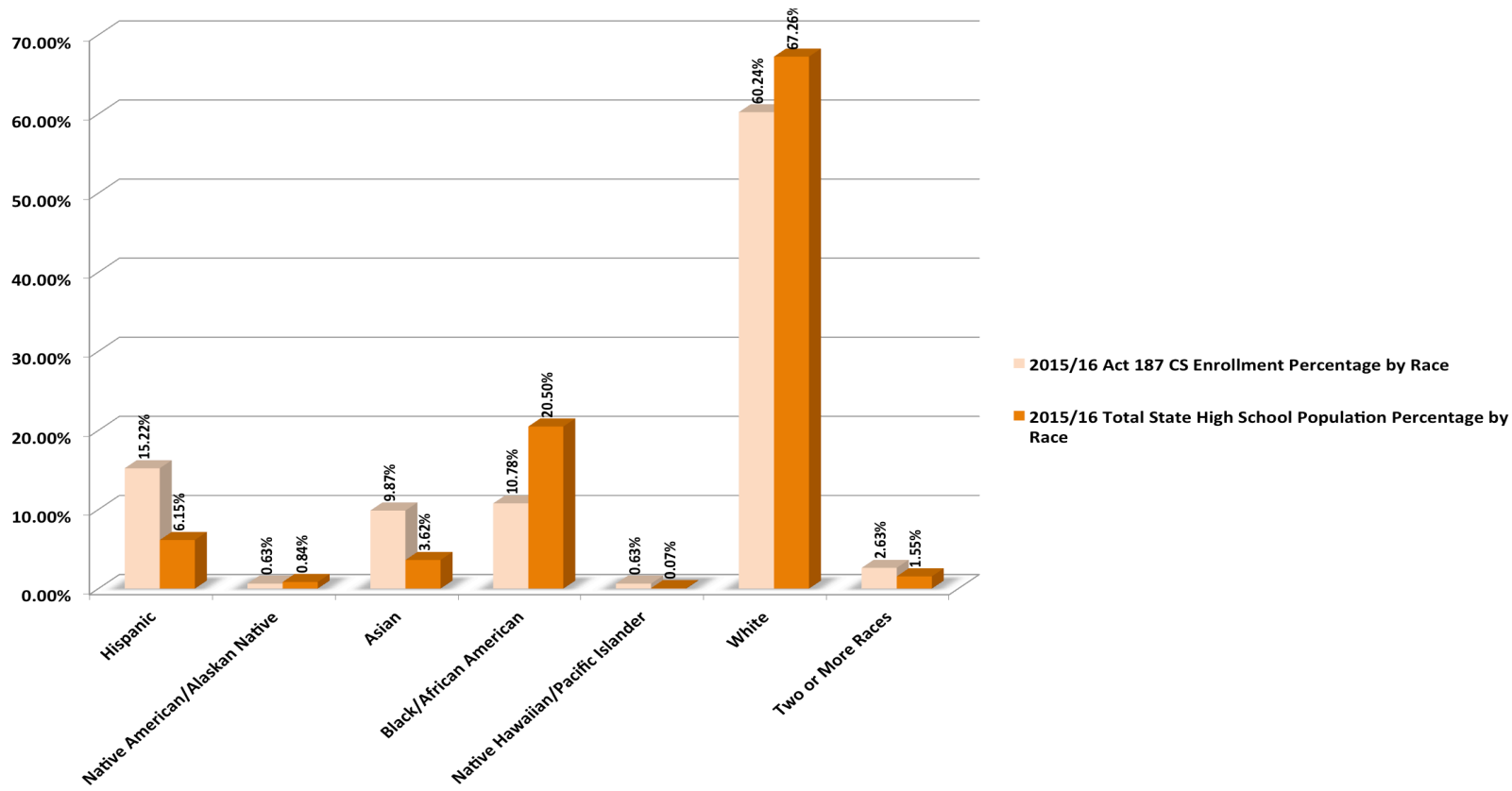
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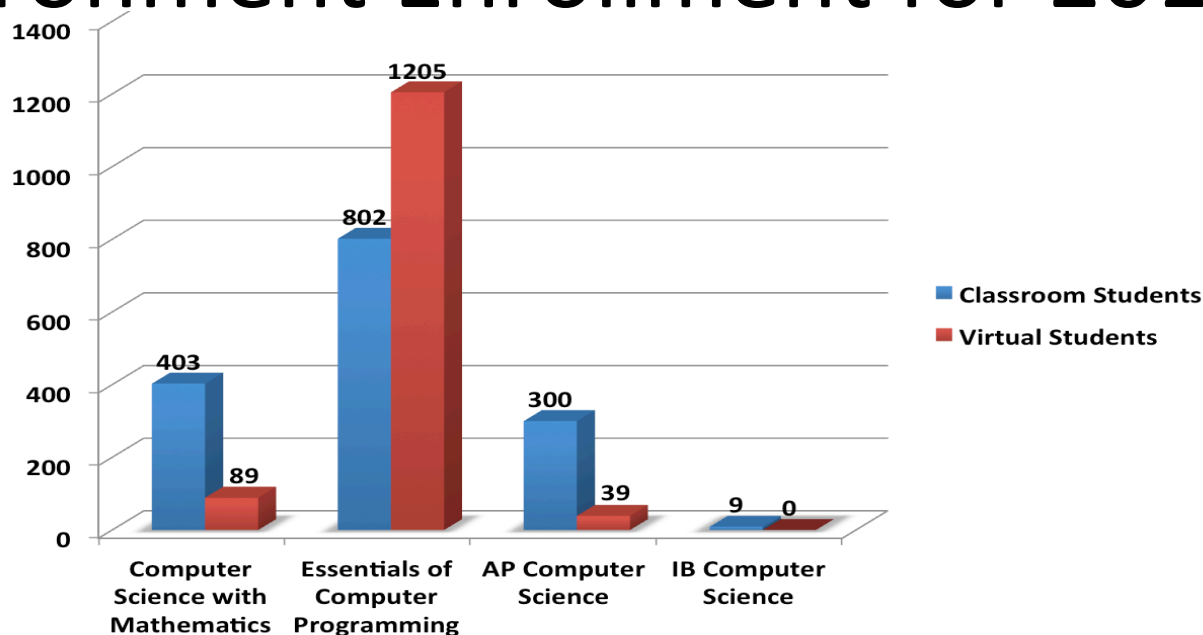
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Act 187 2015/16

Enrollment Percentage by Race



Act 187 Course Classroom and Virtual Environment Enrollment for 2015/16



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